

Table 4-12. Water toxicity analysis results for NTS sewage lagoon pond water in 2004

Contaminant	Limit^(a) (mg/L)	Area 6 Yucca (mg/L)	Area 23 Mercury (mg/L)
Benzene	0.5	< 0.005	< 0.005
Carbon Tetrachloride	0.5	< 0.005	< 0.005
Chlordane	0.03	< 0.0001	< 0.0001
Chlorobenzene	100	< 0.005	< 0.005
Chloroform	6.0	< 0.005	< 0.005
Cresol (Total)	200	0.15	< 0.050
2,4-D	10	0.0016	0.0014
1,4-Dichlorobenzene	7.5	0.005	< 0.050
1,2-Dichloroethane	0.5	< 0.005	< 0.005
1,1-Dichlorethylene	0.7	< 0.005	< 0.005
2,4-Dinitrotoluene	0.13	< 0.050	< 0.050
Endrin	0.02	< 0.0001	< 0.0001
Heptachlor	0.008	< 0.0001	< 0.0001
Hexachlorobenzene	0.13	< 0.050	< 0.050
Hexachlorobutadiene	0.5	< 0.050	< 0.050
Hexachloroethane	3.0	< 0.050	< 0.050
Lindane	0.4	< 0.0001	< 0.0001
Methoxychlor	10	< 0.0005	< 0.0005
Methylethyl Ketone	200	< 0.010	< 0.010
Nitrobenzene	2.0	0.012	< 0.050
Pentachlorophenol	100	< 0.250	< 0.012
Pyridine	5.0	< 0.100	< 0.050
Tetrachloroethylene	0.7	< 0.005	< 0.005
Toxaphene	0.5	< 0.005	< 0.005
Trichloroethylene	0.5	< 0.005	< 0.005
2,4,5-Trichlorophenol	400	< 0.250	< 0.120
2,4,6-Trichlorophenol	2.0	0.005	< 0.050
2,4,5-TP (Silvex)	1.0	0.00057	0.0008
Vinyl Chloride	0.2	< 0.010	< 0.010
Arsenic	5.0	0.0052	0.0175
Barium	100	0.0223	0.0568
Cadmium	1.0	< 0.0004	< 0.0004
Chromium	5.0	0.0017	0.0085
Lead	5.0	< 0.002	< 0.002
Mercury	0.2	< 0.0001	< 0.0001
Selenium	1.0	< 0.0034	< 0.0034
Silver	5.0	< 0.0006	< 0.0006

(a) Source: 40 CFR 261.24, Table 1

4.2.3.3 Annual Analysis of Groundwater Monitoring Wells Associated With Sewage Lagoons

The Area 23 Mercury lagoons are the only lagoons required to have groundwater monitoring, because the lagoons and infiltration basins there are unlined. Since they are unlined, the mode of disposal is evaporation/infiltration. The monitoring well (SM-23-1) is sampled annually; the sample is analyzed for those contaminants/parameters listed in Table 4-13. The compliance limits are those prescribed under the Nevada Drinking Water Standards (NDWS). In 2004, samples were collected in the second quarter; no concentration limits were exceeded (Table 4-13).